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Summary of Safety and Effectiveness

Smith & Nephew Orthopaedics

Global Taper Tapered Hip System

The Global Taper (GT) Tapered Hip System consists of hip stems and femoral heads with a new taper.

The hip stem components of the GT Tapered Hip System are made of metal alloys. The components are indicated for cemented and uncemented use for individuals undergoing primary and revision surgery where other treatments or devices have failed for rehabilitating hips damaged as a result of trauma, or noninflammatory degenerative joint disease (NIDJD) or any of its composite diagnoses of osteoarthritis, avascular necrosis, traumatic arthritis, slipped capital epiphysis, fused hip, fracture of the pelvis, and diastrophic variant.

Indications also include inflammatory degenerative joint disease including rheumatoid arthritis, arthritis secondary to a variety of diseases and anomalies, and congenital dysplasia; old, remote osteomyelitis with an extended drainage-free period; treatments of nonunion, femoral neck fracture and trochanteric fractures of the proximal femur with heads involvement that are unmanageable using other techniques; endoprosthesis, femoral osteotomy, or Girdlestone resection; fracture-dislocation of the hip; and correction of deformity.

The devices are for single use. Cementless or cement fixation is available with these devices. The components of the Tapered Hip System have the same function as other hip systems designed for cemented and cementless fixation.

Analysis results were acceptable and the components of the Tapered Hip System should perform as well as other hip systems.